BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Name of the work:- PROVIDING UDG LINES IN WARD NO. 06

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
1	581.98	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	86.92	Rupees Eighty Six and Ninety Two Paise Only
2	659.48	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3	Cum	86.92	Rupees Eighty Six and Ninety Two Paise Only
3	19.80	KSRRB M200-15.2 : Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification.iii) Dismantling Stone Masonry. B.Rubble Stone masonry in cement mortar	Cum	258.64	Rupees Two Hundred Fifty Eight and Sixty Four Paise Only
4	136.16	KSRRB M200-24 : Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in colume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters stacking serviceable and unserviceable and unserviceable materials seperately complete as per specifications.	Cum	827.86	Rupees Eight Hundred Twenty Seven and Eighty Six Paise Only
5	210.00	KSRB 12-1.6 : Providing and laying in position to required level or slopem 300mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, tsting of pipes and joints, including cost of materials, labour charges complete as per specifications.	Rmt	661.44	Rupees Six Hundred Sixty One and Forty Four Paise Only
6	50.00	KSRB 12-1.5 : Providing and laying in position to required level or slopem 250mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, tsting of pipes and joints, including cost of materials, labour charges complete as per specifications.	Rmt	597.84	Rupees Five Hundred Ninety Seven and Eighty Four Paise Only
7	9.00	KSRB 12-5.3 ; Constructing brick masonry circular type manhole 1.22m internal dia at bottom 1.68m deep and 0.56m dia at top with table moulded non-modular bricks of class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating cost of neat cement, foundation concrete M10 mix using 40mm and downsize granite metal and making necessary channel in cement concrete M 15 mix with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diametre confirming IS:12592, total weight cover and frame to be not less than 182kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechineries complet as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately).	Cum	27691.44	Rupees Twenty Seven Thousand Six Hundred Ninety One and Forty Four Paise Only
8	234.00	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under item.	Cum	80.56	Rupees Eighty and Fifty Six Paise Only
9	127.38	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications.	Cum	5159.02	Rupees Five Thousand One Hundred Fifty Nine and Two Paise Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor

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Executive Enginee

ed y.		Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
	11.88	Recondstruction of size stone masonry with available stones in CM 1:6 as per direction of the Engineer in charge	Cum	3569.02	Rupees Three Thousand Five Hundred Sixty Nine and Two Paise Only
11	7.92	KSRB 5.3-3 : Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.	Cum	5305.30	Rupees Five Thousand Three Hundred Five and Thirty Paise Only
12	44.00	KSRB 15.1.3 : Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	103.88	Rupees One Hundred Three and Eighty Eight Paise Only
13	4.96	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
14	74.06	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.	Cum	6371.66	Rupees Six Thousand Three Hundred Seventy One and Sixty Six Paise Only
15	81.70	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C. works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams.	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
16	544.65	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift	Cum	95.40	Rupees Ninety Five and Forty Paise Only
17	5.44	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3	Tonne	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only
18	582.75	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications.	Sqm	310.58	Rupees Three Hundred Ten and Fifty Eight Paise Only
19	405.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm	Nos	385.84	Rupees Three Hundred Eighty Five and Eighty Four Paise Only
20	63.70	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
21	63.70	KSRB 15-19.2 : Providing and applying spary painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materiasl, labour, complete as per specifications. (	Sqm	69.96	Rupees Sixty Nine and Ninety Six Paise Only

Signature of the contractor

EXECUTIVE ENGINEER-4
DIVISION

Executive Engin
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	ved ty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
22	680.94	Providing and fixing 10 cm thick precast RCC slab using reinforced cement concrete M 20 mix with stone aggregates 20mm and down size including centering, shuttering reinforcement and barbending machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted cost of all materials, labour, curing complete as per specifications	Sqm	1836.00	Rupees One Thousand Eight Hundred Thirty Six Only
23	1007.46	Lead charges for conveying the excavated earth including loading and unloading upto 15 kms as per directions	Cum	116.00	Rupees One Hundred Sixteen Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

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Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

14/12

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010